

IRCAM700



EXTERNAL DAY / NIGHT CAMERA
USER MANUAL



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IRCAM700 *PRO*

EXTERNAL DAY/NIGHT CAMERA



- 700 TVL
- 9-22mm varifocal lens
- Sony Effio-E image sensor
- OSD control button
- Up to 50m Infra Red illumination
- 12v DC 400mA (IR-on)
- Weatherproof IP66 rating



TECHNICAL SPECIFICATION

TVL	700TVL
Image sensor	SONY EFFIO-E
Shutter speed	1/50-1/120,000S
Lens type	9-22mm Manual Vari-Focal Lens
Minimum illumination	0.001 Lux/F1.2; 0 Lux (IR ON)
S/N ratio	More Than 52dB (AGC OFF)
White Balance	ATW
Operating temp	-20 To +50
Dimensions	155(L) x 100mm(W) x 92(H)mm
Weight Approx	1000g
Power consumption	IR on 400mA
Power consumption	IR off 120mA
IP Rating	IP66

In addition to up to 700 TVL resolution the Pro range of internal and external CCTV cameras all feature the multi-function Sony Effio E processor. Whilst in many situations you will find an "out of the box installation" will give excellent results the Effio Processor will enable you to make adjustments to the cameras final output to provide an excellent image in the most demanding situations. Please read through this manual prior to installation in order to fully understand all the functionality of the product.

SONY[®]
Effio[™]

- Resolution 700TVL
- D-WDR incorporating ATR
- 2D Noise Reduction
- Exposure Control
- High Light Compensation

LENS ADJUSTMENT

This model features manual adjustment of zoom and focus. The adjustments are located on the rear of camera and shown opposite. Unscrew cover caps then use the slot on the reverse of the caps to adjust the 'Zoom' and 'Focus'



ON SCREEN DISPLAY (OSD) SET UP

The on-screen menu can be operated by the OSD control button shown. Move the button up, down, left or right to access options and press the button to activate the options.



Please find below a list of the most useful functions found within the Effio E processor.

Not all functions shown on the menus are covered as they are very rarely required in CCTV installations.

Throughout the menu listing below the main sections are shown in bold text, the sub menus for each section are then listed below. Press the OSD control button to enter sub menus.

IMPORTANT - When any changes are made with the OSD menu you must select **SAVE ALL** before exiting the menu.

SET UP MENU ONE

LENS

For this camera leave as **MANUAL**

SHUTTER / AGC

Control of how the camera reacts to a light source

There are two choices of sub-menu

Manual

Allows specific set up of the shutter and automatic gain control that will be fixed even when light levels change. Useful in very low light conditions

Automatic

Allows specific set up of shutter and automatic gain control that will also react to changing light levels to provide the best image
High luminance control is used when viewing very bright scenes.
Low luminance control is used in low light levels

WHITE BALANCE

Multiple ways to control white light balance

ATW

Automatic tracking of the white balance (sub menu)

Flourescent light , sunlight and incandescet light all have different colour temperatures. ATW automatically ensures correct reproduction of white images as different light sources are used

Manual

Allows a manual fixed setting of the white balance

User 1/2

Allows specific control of the way the camera reacts to strong saturation of blue or red within the viewing area. Useful in areas that are continually illuminated with single colour light sources such as nightclubs or retail displays

BACKLIGHT	Multiple ways to control high levels of back lighting disturbing the viewing area such as sunlight or external lighting
BLC	Standard back light control
HLC	A clever version of BLC that will automatically blank out any areas of very high light source within the viewing area whilst allowing normal images from surrounding areas
Off	BLC off
Picture Adjust	Adjustments to the image output
Mirror	Enables a mirror image of the monitored area
General adjustments	Brightness : Contrast : Sharpness : Hue and Gain
D-WDR	Enables the camera to provide a balanced image in areas where high and low light levels exist simultaneously
Luminance	Control of areas of high Luminance without effecting darker areas
Contrast	Adjustment of areas that have subtle changes in tone or contrast. High setting brings out clarity of these areas
Motion Detection	Allows creation of motion detection zones however we suggest use of the DVRS own motion detection technology in preference

SET UP MENU TWO

PRIVACY	Allows sections of the area viewed to be blanked off for modesty, legal or privacy reasons
Area	Up to four separate privacy areas can be created. Select which area you wish to work with (1 , 2 , 3 or 4)
Top	Creates the shape and position of the privacy area
Bottom	
Left	
Right	
Colour	Selects the colour used to mask all privacy areas
Transparency	Selects the transparency of the privacy areas to still allow monitoring of general movement
Mosaic	Creates a mosaic effect on privacy areas
DAY/NIGHT	Controls how the camera handles colour in day and night conditions
Burst	Can improve lost colour due to long cable runs
Delay Cnt	Delays the switch between night and day mode (IR-ON / IR-OFF)

Day-Night	Determines the level of light required to move from day mode to night mode
Night-Day	Determines the level of light required to move from night mode to day mode
2DNR	Reduces digital noise created by high light or colour in the viewing area to improve image quality
Y/C	Activates level of DNR from sources associated to light (Y) and colour (C)
Y	Activates level of DNR from sources associated to just light (Y)
C	Activates level of DNR from sources associated to just colour (C)
CAMERA ID	Enables creation of camera name. Can also be created by DVR
SYNC	Must be left as INT (Internal)
LANGUAGE	Sets language of menu
CAMERA RESET	Resets camera to factory default settings

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